Karnataka Material Test House Pvt. Ltd.,

Soil Investigation, Concrete and NDT Testing ,Topo Survey, & Project management Consultancy

CIN No: U74210KA2004PTC035137 G S T No: 29AACCK4994Q1ZI PAN No: AACCK4994Q

Report No	KMTH/F-Aggregate/1100/2021--22	Date	08-02-2021

TEST REPORT ON FINE AGGRERGATE

Name of Client & Address	Bruhat Bengaluru Mahanagara Palike Office of Executive Engineer Yelahanka Division, CMC Road, Yelahanka Old Town, Bengaluru-64.
Name of Agency & Address	Sri.B.B. Umesh M/s SMLP Asphalts, No: 1265, Next to Andrabank, Major Sandeep Unnikrishan Road, Yelahanka New Town Bangalore- 560064
Third Party Consultant	M/s Karnataka Material Test House Pvt Ltd., Basaveshwara Layout, Nagashettyhalli, Bengaluru-560094
Name of Project & Address	"Name of Work: Improvements to Roads and Drains at AMS Layout and Muneshawara Layout in Ward No-03 of Yelahanka Satellite Town Sub Division."
Work Order No	BBMP/EE/YNK.D/EPMT-03/W.O/240/2020-21
Job Code No	003-20-000262
Clients Letter Dated	07-02-2021
Date of Testing	07-02-2021
Technical Referance	IS: 2386 (Part I)– 1963 , IS: 383 – 2016

GRADATION OF FINE AGGEGATES

Weight of Sample			1000	g	PERCENTAGE OF PASSING (GRADING)			
Sieve No	Weight of Sample	Percentage of Retained sample	Cumulative Percentage of Retained sample	Percentage Finer	Zone-I	*Zone-II*	Zone-II	zone-IV
10	0	0	0	100	100	*100*	100	100
4.75	10.2	1.02	1.02	98.98	90 – 100	*90 – 100*	90 – 100	90-100
2.36	28.4	2.84	3.86	96.14	60 – 95	*75 – 100*	85 – 100	95-100
1.18	216.8	21.68	25.54	74.46	30 – 70	*55 – 90*	75 – 100	90-100
0.6	268.4	26.84	52.38	47.62	15 – 34	*35 – 59*	60 – 79	80-100
0.3	284.7	28.47	80.85	19.15	5 – 20	*8 – 30*	12 – 40	15-50
0.15	132.6	13.26	94.11	5.89	0 – 10	*0 – 10*	0 – 10	0-15

** As furnished by the client*

Note : The above tested sample satisfies the requirement of IS:383-2016

For Karnataka Material Test House Pvt ltd.,

Prepared & Checked by
Nagaraj K S

Approved by
Narayanswamy.B

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M/s Karnataka Consultancy Services

Karnataka Material Test House Pvt. Ltd.,

Soil Investigation, Concrete and NDT Testing ,Topo Survey, & Project management Consultancy

CIN No: U74210KA2004PTC035137 G S T No: 29AACCK4994Q1ZI PAN No: AACCK4994Q

Report No	KMTH/F-Aggregate/1101/2021-22	Date	08-02-2021

TEST REPORT ON FINE AGGRERGATE

Name of Client & Address	Bruhat Bengaluru Mahanagara Palike Office of Executive Engineer Yelahanka Division, CMC Road, Yelahanka Old Town, Bengaluru-64.
Name of Agency & Address	Sri.B.B. Umesh M/s SMLP Asphalts, No: 1265, Next to Andrabank, Major Sandeep Unnikrishan Road, Yelahanka New Town Bangalore- 560064
Third Party Consultant	M/s Karnataka Material Test House Pvt Ltd., Basaveshwara Layout, Nagashettyhalli, Bengaluru-560094
Name of Project & Address	"Name of Work: Improvements to Roads and Drains at AMS Layout and Muneshawara Layout in Ward No-03 of Yelahanka Satellite Town Sub Division."
Work Order No	BBMP/EE/YNK.D/EPMT-03/W.O/240/2020-21
Job Code No	003-20-000262
Clients Letter Dated	07-02-2021
Date of Testing	07-02-2021
Technical Referance	IS: 2386 (Part I)– 1963 , IS: 383 – 2016

GRADATION OF FINE AGGEGATES

Weight of Sample			1000	g	PERCENTAGE OF PASSING (GRADING)			
Sieve No	Weight of Sample	Percentage of Retained sample	Cumulative Percentage of Retained sample	Percentage Finer	Zone-I	*Zone-II*	Zone-II	zone-IV
10	0	0	0	100	100	*100*	100	100
4.75	9.8	0.98	0.98	99.02	90 – 100	*90 – 100*	90 – 100	90-100
2.36	63.4	6.34	7.32	92.68	60 – 95	*75 – 100*	85 – 100	95-100
1.18	204.2	20.42	27.74	72.26	30 – 70	*55 – 90*	75 – 100	90-100
0.6	263.2	26.32	54.06	45.94	15 – 34	*35 – 59*	60 – 79	80-100
0.3	220.2	22.02	76.08	23.92	5 – 20	*8 – 30*	12 – 40	15-50
0.15	152.8	15.28	91.36	8.64	0 – 10	*0 – 10*	0 – 10	0-15

** As furnished by the client*

Note : The above tested sample satisfies the requirement of IS:383-2016

For Karnataka Material Test House Pvt ltd.,

Prepared & Checked by
Nagaraj K S

Approved by
Narayanswamy.B

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M/s Karnataka Consultancy Services

Karnataka Material Test House Pvt. Ltd.,

Soil Investigation, Concrete and NDT Testing ,Topo Survey, & Project management Consultancy

CIN No: U74210KA2004PTC035137 G S T No: 29AACCK4994Q1ZI PAN No: AACCK4994Q

Report No	KMTH/C-Aggregate/1106/2021-22	Date	10-02-2021

TEST REPORT ON COARSE AGGRERGATE

Name of Client & Address	Bruhat Bengaluru Mahanagara Palike Office of Executive Engineer Yelahanka Division, CMC Road, Yelahanka Old Town, Bengaluru-64.
Name of Agency & Address	Sri.B.B. Umesh M/s SMLP Asphalts, No: 1265, Next to Andrabank, Major Sandeep Unnikrishan Road, Yelahanka New Town Bangalore- 560064
Third Party Consultant	M/s Karnataka Material Test House Pvt Ltd., Basaveshwara Layout, Nagashettyhalli, Bengaluru-560094
Name of Project & Address	"Name of Work: Improvements to Roads and Drains at AMS Layout and Muneshawara Layout in Ward No-03 of Yelahanka Satellite Town Sub Division."
Work Order No	BBMP/EE/YNK.D/EPMT-03/W.O/240/2020-21
Job Code No	003-20-000262
Clients Letter Dated	08-02-2021
Date of Testing	08-02-2021
Technical Referance	IS: 2386 (Part I)– 1963 IS: 383 – 2016

GRADATION OF COARSE AGGEGATES

20mm	Weight of Sample		5000		IS : 2386(Part-I) RA 2016		Remarks
Sieve No	Wt of Sample	% tage retained	Cumulative % retained	% tage finer	Single Size	Graded Size	
40	0	0.00	0.00	100.00	100	100	Sample conforms to IS: Stipulation for Single size Aggregate of size 20mm.
20	198.6	3.97	3.97	96.03	85-100	90 to 100	
10	3268.4	65.37	69.34	30.66	0 to 20	25 to 55	
4.75	1526.4	30.53	99.87	0.13	0 to 5	0 to 10	

40mm	Weight of Sample		5000		IS : 2386(Part-I) RA 2016		Remarks
Sieve No	Wt of Sample	% tage retained	Cumulative % retained	% tage finer	Single Size	Graded Size	
63	0	0.00	0.00	100	100	100	Sample conforms to IS: Stipulation for Single size Aggregate of size 40mm.
40	152.8	3.06	3.06	96.94	85-100	90 to 100	
20	2268.4	45.37	48.42	51.58	0 to 20	30 to 70	
10	1872.6	37.45	85.88	14.12	0 to 5	10 to 25	
4.75	526.4	10.53	96.40	3.60	-	0 to 5	

** As furnished by the client*

Note : The above tested sample satisfies the requirement of IS:383-2016

For Karnataka Material Test House Pvt ltd.,

Prepared & Checked by
Nagaraj K S

Approved by
Narayanswamy.B

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M/s Karnataka Consultancy

Karnataka Material Test House Pvt. Ltd.,

Soil Investigation, Concrete and NDT Testing ,Topo Survey, & Project management Consultancy

CIN No: U74210KA2004PTC035137 G S T No: 29AACCK4994Q1ZI PAN No: AACCK4994Q

Report No	KMTH/C-Aggregate/1110/2021-22	Date	15-02-2021

TEST REPORT ON STEEL

Name of Client & Address	Bruhat Bengaluru Mahanagara Palike Office of Executive Engineer Yelahanka Division, CMC Road, Yelahanka Old Town, Bengaluru-64.
Name of Agency & Address	Sri.B.B. Umesh M/s SMLP Asphalts, No: 1265, Next to Andrabank, Major Sandeep Unnikrishan Road, Yelahanka New Town Bangalore- 560064
Third Party Consultant	M/s Karnataka Material Test House Pvt Ltd., Basaveshwara Layout, Nagashettyhalli, Bengaluru-560094
Name of Project & Address	"Name of Work: Improvements to Roads and Drains at AMS Layout and Muneshawara Layout in Ward No-03 of Yelahanka Satellite Town Sub Division."
Work Order No	BBMP/EE/YNK.D/EPMT-03/W.O/240/2020-21
Job Code No	003-20-000262
Clients Letter Dated	12-02-2021
Date of Testing	12-02-2021
Technical Referance	IS: 1786 – 2008 & IS: 1608–2005

Tensile Test

Sl No.	Grade of Steel	Dia in	Weight / unit length (kg/m)	0.2% proof Stress (N/mm2)	Tensile Strength (N/mm2)	Percentage Elongation (on 5.65 ÖAG L)	Remarks
1	Fe-500	8	0.381	516.80	612.45	18.62	Passes
2		10	0.618	576.20	623.80	21.52	Passes
3		12	0.816	542.80	638.40	20.46	Passes

Bend Test

Sl. No.	Dia (mm)	Mandrel diameter	Angle of bend	Observations
1	8	4 dia	180*	No cracks observed. Passes the test.
2	10	4 dia	180*	No cracks observed. Passes the test.
3	12	4 dia	180*	No cracks observed. Passes the test.

Re bend Test

Sl. No.	Dia (mm)	Mandrel diameter	Observations
1	8	5 dia	No cracks observed. Passes the test
2	10	5 dia	No cracks observed. Passes the test
3	12	7 dia	No cracks observed. Passes the test.

** As furnished by the client*

For Karnataka Material Test House Pvt ltd.,

Prepared & Checked by
Nagaraj K S

Approved by
Narayanswamy B

Karnataka Material Test House Pvt Ltd. * Bangalore *

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ಬ.ಬ.ಮ.ಪ. ಬೆಂಗಳೂರು-೧೦೯

Karnataka Material Test House Pvt. Ltd.,

Soil Investigation, Concrete and NDT Testing ,Topo Survey, & Project management Consultancy

CIN No: U74210KA2004PTC035137 G S T No: 29AACCK4994Q1ZI PAN No: AACCK4994Q

Report No	KMTH/C-Aggregate/1111/2021-22	Date	21.02.2021

TEST REPORT ON CEMENT

Name of Client & Address	Bruhat Bengaluru Mahanagara Palike Office of Executive Engineer Yelahanka Division, CMC Road, Yelahanka Old Town, Bengaluru-64.
Name of Agency & Address	Sri.B.B. Umesh M/s SMLP Asphalts, No: 1265, Next to Andrabank, Major Sandeep Unnikrishan Road, Yelahanka New Town Bangalore- 560064
Third Party Consultant	M/s Karnataka Material Test House Pvt Ltd., Basaveshwara Layout, Nagashettyhalli, Bengaluru-560094
Name of Project & Address	"Name of Work: Improvements to Roads and Drains at AMS Layout and Muneshawara Layout in Ward No-03 of Yelahanka Satellite Town Sub Division."
Work Order No	BBMP/EE/YNK.D/EPMT-03/W.O/240/2020-21
Job Code No	003-20-000262
Clients Letter Dated	15-02-2021
Date of Testing	15-02-2021
Technical Referance	IS: 4031(Part I–VI) 1988 (Reaffirmed–2000) & IS: 8112-1989

Sl. No.	Test Conducted	Results	IS: 8112-1989 Stipulation	Remarks
1	Normal consistency in %	27.8	Not specified	-
2	Initial setting time in	159.8	Shall not be less than 30 minutes	P
3	Final setting time in minutes	311	Shall not be more than 600 minutes	P
4	Compressive strength (Average of three results) in N/mm2			
a	72+1h (3 days)	25.88	Shall not be less than 23.0 MPa	P
b	168+2h (7 days)	36.41	Shall not be less than 33.0 MPa	P
c	672+4h (28 days)	45.87	Shall not be less than 43.0 MPa	P

** As furnished by the client*

P : Passes IS requirement F: Fails IS requirements

TTC : Test to be conducted

For Karnataka Material Test House Pvt ltd.,

Prepared & Checked by
Nagaraj K S

Approved by
Narayanswamy.B

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ಬಿ.ಬಿ.ಎಂ.ಪಿ, ಬೆಂಗಳೂರು-106

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Soil Investigation, Concrete and NDT Testing ,Topo Survey, & Project management Consultancy

CIN No: U74210KA2004PTC035137 G S T No: 29AACCK4994Q1ZI PAN No: AACCK4994Q

Report No	KMTH/Cubes/1114/2021-22	Date	22-03-2021

TEST RESULTS ON CONCRETE CUBES

Name of Client & Address	Bruhat Bengaluru Mahanagara Palike Office of Executive Engineer Yelahanka Division, CMC Road, Yelahanka Old Town, Bengaluru-64
Name of Agency & Address	Sri.B.B. Umesh M/s SMLP Asphalts, No: 1265, Next to Andrabank, Major Sandeep Unnikrishan Road, Yelahanka New Town Bangalore- 560064
Third Party Consultant	M/s Karnataka Material Test House Pvt Ltd., Basaveshwara Layout, Nagashettyhalli, Bengaluru-560094
Name of Project & Address	"Name of Work: Improvements to Roads and Drains at AMS Layout and Muneshawara Layout in Ward No-03 of Yelahanka Satellite Town Sub Division."
Work Order No	BBMP/EE/YNK.D/EPMT-03/W.O/240/2020-21
Job Code No	003-20-000262
Date of Sample Received	21-03-2021
Source of Sample	Supplied by the Client
	150.00 x 150.00 x 150.00
	150.00 x 150.00 x 150.00
Grade of Concrete	M10
Grade of Concrete	M10

Compressive Strength test as per guidelines of IS-516-1959 has been conducted on the concrete cube specimens supplied by the client and the results are tabulated here below

Sl No	Cubes Pertaining to the concrete Cast at*(Details of structural Member Identification	Date of Casting*	Date of Testing	Age of Concrete on the date of test** (Days)	Contact Area (mm²)	Weight of Specimen (gm)	Load In KN	Compressive Strength in Nmm²
1	PCC Drain Concrete	21-02-2021	21-03-2021	28 Days	22500.00	8124	372.4	16.55
2		22-02-2021	21-03-2021		22500.00	8120	369.8	16.44
3		23-02-2021	21-03-2021		22500.00	8116	370.2	16.46

1N/Sq mm=10kg/Sq cm(Approx) * As furnished by the client

Note; A Minimum of three cube specimens shall be supplied fo testing as per IS:516-1959

For Karnataka Material Test House Pvt Ltd.,

Prepared & Checked by
Nagaraj K/S

Approved by
Narayanswamy.B

End of Report

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CIN No: U74210KA2004PTC035137 G S T No: 29AACCK4994Q1ZI PAN No: AACCK4994Q

eport No	KMTH/Cubes/1117/2021-22	Date	06-03-2021

TEST RESULTS ON CONCRETE CUBES

Name of Client & Address	Bruhat Bengaluru Mahanagara Palike Office of Executive Engineer Yelahanka Division, CMC Road, Yelahanka Old Town, Bengaluru-64.
Name of Agency & Address	Sri.B.B. Umesh M/s SMLP Asphalts, No: 1265, Next to Andrabank, Major Sandeep Unnikrishan Road, Yelahanka New Town Bangalore- 560064
Third Party Consultant	M/s Karnataka Material Test House Pvt Ltd., Basaveshwara Layout, Nagashettyhalli, Bengaluru-560094
Name of Project & Address	"Name of Work: Improvements to Roads and Drains at AMS Layout and Muneshawara Layout in Ward No-03 of Yelahanka Satellite Town Sub Division."
Work Order No	BBMP/EE/YNK.D/EPMT-03/W.O/240/2020-21
Job Code No	003-20-000262
Clients Letter Dated	05-03-2021
Date of Sample Received	05-03-2021
Source of Sample	Supplied by the Client
Dimensions of Specimens in mm	150.00 x 150.00 x 150.00
	150.00 x 150.00 x 150.00
	150.00 x 150.00 x 150.00
Grade of Concrete	M20

Compressive Strength test as per guidelines of IS-516-1959 has been conducted on the concrete cube specimens supplied by the client and the results are tabulated here below

Sl No	Cubes Pertaining to the concrete Cast at*(Details of structural Member Identification	Date of Casting*	Date of Testing	Age of Concrete on the date of test** (Days)	Contact Area (mm²)	Weight of Specimen (gm)	Load In KN	Compressive Strength in Nmm²
1	Drain Raft Concrete	26-02-2021	05-03-2021	7 Days	22500.00	8264	426.8	18.97
2		26-02-2021	05-03-2021		22500.00	8232	398.8	17.72
3		26-02-2021	05-03-2021		22500.00	8216	412.6	18.34

1N/Sq.mm=10kg/Sq.cm(Approx) * As furnished by the client

Note; A Minimum of three cube specimens shall be supplied fo testing as per IS:516-1959

For Karnataka Material Test House Pvt Ltd.,

Prepared & Checked by
Nagaraj K S

Approved by
Narayanswamy B

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Soil Investigation, Concrete and NDT Testing ,Topo Survey, & Project management Consultancy

CIN No: U74210KA2004PTC035137 G S T No: 29AACCK4994Q1ZI PAN No: AACCK4994Q

Report No	KMTH/Cubes/1123/2021-22	Date	20-04-2021

TEST RESULTS ON CONCRETE CUBES

Name of Client & Address	Bruhat Bengaluru Mahanagara Palike Office of Executive Engineer Yelahanka Division, CMC Road, Yelahanka Old Town, Bengaluru-64.
Name of Agency & Address	Sri.B.B. Umesh M/s SMLP Asphalts, No: 1265, Next to Andrabank, Major Sandeep Unnikrishan Road, Yelahanka New Town Bangalore- 560064
Third Party Consultant	M/s Karnataka Material Test House Pvt Ltd., Basaveshwara Layout, Nagashettyhalli, Bengaluru-560094
Name of Project & Address	"Name of Work: Improvements to Roads and Drains at AMS Layout and Muneshawara Layout in Ward No-03 of Yelahanka Satellite Town Sub Division."
Work Order No	BBMP/EE/YNK.D/EPMT-03/W.O/240/2020-21
Job Code No	003-20-000262
Clients Letter Dated	19-04-2021
Date of Sample Received	19-04-2021
Source of Sample	Supplied by the Client
Dimensions of Specimens in mm	150.00 x 150.00 x 150.00 150.00 x 150.00 x 150.00 150.00 x 150.00 x 150.00
Grade of Concrete	M20

Compressive Strength test as per guidelines of IS-516-1959 has been conducted on the concrete cube specimens supplied

Sl No	Cubes Pertaining to the concrete Cast at*(Details of structural Member Identification	Date of Casting*	Date of Testing	Age of Concrete on the date of test** (Days)	Contact Area (mm²)	Weight of Specimen (gm)	Load In KN	Compressive Strength in Nmm²
1	Culvert wall Concrete	22-03-2021	19-04-2021	28 Days	22500.00	8086	564.2	25.08
2		22-03-2021	19-04-2021		22500.00	8076	563.2	25.03
3		22-03-2021	19-04-2021		22500.00	8072	564.2	25.08

1N/Sq.mm=10kg/Sq.cm(Approx)

* As furnished by the client

Note; A Minimum of three cube specimens shall be supplied fo testing as per IS:516-1959

For Karnataka Material Test House Pvt Ltd.,

Prepared & Checked by
Nagaraj K S

Approved by
Narayanswamy.B

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Ph.:080- 2341 8668, 23511213 Mobile: 94485 15258 E-mail: kmthblr@gmail.com

Karnataka Material Test House Pvt. Ltd.,

Soil Investigation, Concrete and NDT Testing ,Topo Survey, & Project management Consultancy

CIN No: U74210KA2004PTC035137 G S T No: 29AACCK4994Q1ZI PAN No: AACCK4994Q

Report No	KMTH/CCslabs/1124/2021-22	Date	22-04-2021

TEST RESULTS ON CEMENT CONCRETE SLAB SAMPLES

Name of Client & Address	Bruhat Bengaluru Mahanagara Palike Office of Executive Engineer Yelahanka Division, CMC Road, Yelahanka Old Town, Bengaluru-64.
Name of Agency & Address	Sri.B.B. Umesh M/s SMLP Asphalts, No: 1265, Next to Andrabank, Major Sandeep Unnikrishan Road, Yelahanka New Town Bangalore- 560064
Work Order No	BBMP/EE/YNK.D/EPMT-03/W.O/240/2020-21
Job Code No	003-20-000262
Date of Sample Received	20-04-2021
Source of Sample	Supplied by the Client
Size & Shape of Sample	slab Length -920mm, Height-100mm,Width600mm

Compressive Strength test as per the guidelines of IS: 516-1959 has been conducted on the concrete Core Samples extracted and the results are tabulated here below:

Sl No	Cores pertaining to the concrete cast at*(Details of structural member identification)	Diameter in mm	Length in mm	H/D Ratio	Area Sq mm	Load KN	Comp. Strength N/Sq mm	C.F.H/D x 0.11 + 0.78	C.C.F N/Sq.mm	E.C.S.C N/Sq.mm	Avg. N/Sq mm	Weight of Core in kg	Volume of Core, m3	Density, Kg/m3
100mm Slab														
1	S-01	50.20	100.00	1.99	1978	32.6	16.48	1.00	16.46	20.58	21.0	0.7860	0.00020	3973.25
2	S-02	51.60	99.97	1.94	2090	35.4	16.94	0.99	16.82	21.03		0.8160	0.00021	3905.27
3	S-03	50.42	99.86	1.98	1996	34.2	17.14	1.00	17.10	21.38		0.7960	0.00020	3994.35

*As furnished by the Client

Note; A Minimum of three specimens shall be supplied fo testing as per IS:516-1959

For Karnataka Material Test House Pvt Ltd ,

Prepared & checked by
Nagaraj K S

Approved by
Narayanswamy.B

.....End of Report.....

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3)Any correction in the report will be invalid.

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Karnataka Material Test House Pvt. Ltd.,

Soil Investigation, Concrete and NDT Testing ,Topo Survey, & Project management Consultancy

CIN No: U74210KA2004PTC035137 G S T No: 29AACCK4994Q1ZI PAN No: AACCK4994Q

Report No	KMTH/CCslabs/1128/2021-22	Date	02-05-2021

TEST RESULTS ON CEMENT CONCRETE SLAB SAMPLES

Name of Client & Address	Bruhat Bengaluru Mahanagara Palike Office of Executive Engineer Yelahanka Division, CMC Road, Yelahanka Old Town, Bengaluru-64.
Name of Agency & Address	Sri.B.B. Umesh M/s SMLP Asphalts, No: 1265, Next to Andrabank, Major Sandeep Unnikrishan Road, Yelahanka New Town Bangalore- 560064
Third Party Consultant	M/s Karnataka Material Test House Pvt Ltd., Basaveshwara Layout, Nagashettyhalli, Bengaluru-560094
Name of Project & Address	"Name of Work: Improvements to Roads and Drains at AMS Layout and Muneshawara Layout in Ward No-03 of Yelahanka Satellite Town Sub Division."
Work Order No	BBMP/EE/YNK.D/EPMT-03/W.O/240/2020-21
Job Code No	003-20-000262
Date of Sample Received	01-05-2021
Source of Sample	Supplied by the Client
Number of Specimens*	3 No`s Cement Concrete Slabs
Size & Shape of Sample	slab Length -1500mm, Height-250mm,Width460mm

Compressive Strength test as per the guidelines of IS: 516-1959 has been conducted on the concrete Core Samples extracted and the results are tabulated here below:

Sl No	Cores pertaining to the concrete cast at*(Details of structural member identification)	Diameter in mm	Length in mm	H/D Ratio	Area Sq mm	Load KN	Comp. Strength. N/Sq mm	C.F H/D x 0.11 + 0.78	C.C.F N/Sq mm	E.C.S.C N/Sq mm	Avg. N/Sq mm	Weight of Core in kg	Volume of Core, m3	Density, Kg/m3
250mm Slab														
1	S-01	94.50	195.60	2.07	7010	133.6	19.06	1.01	19.20	24.01	24.0	1.4860	0.00137	1083.72
2	S-02	94.62	196.40	2.08	7028	134.2	19.09	1.01	19.25	24.07		1.5260	0.00138	1105.55
3	S-03	94.58	195.40	2.07	7022	133.2	18.97	1.01	19.11	23.88		1.4890	0.00137	1085.18

*As furnished by the Client

Note; A Minimum of three specimens shall be supplied fo testing as per IS:516-1959

For Karnataka Material Test House Pvt Ltd.,

Prepared & Checked by
Nagaraj K S

Approved by
Narayanswamy

Karnataka Material Test House Pvt Ltd * Bangalore *

End of Report

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ಯಲಹಂಕ ಉಪನಗರ ಉಪವಿಭಾಗ,
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